| Inde | ex of C | laims |  |
|------|---------|-------|--|
|      |         |       |  |

| Appl | ication/Contr | 0 | ĺ | No | ٠. |
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10/677,480

Examiner

GILBRETH ET AL.

Reexamination

Applicant(s)/Patent under

Art Unit

Rajnikant B. Patel

2838

Rejected Allowed

(Through numeral) Cancelled

Restricted

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
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|                  |          | _        |        |                 | _ |          | J  |              |  | <u></u>      |     |       |          |          |          |   |  | J        |              | Ь.           |              |   |
|------------------|----------|----------|--------|-----------------|---|----------|--|--------------|--|--------------|-----|-------|----------|----------|----------|---|--|----------|--------------|--------------|--------------|---|
| Cla              | im       | Ι        |        |                 |   | Dat      | <u>е</u>   |              |  |              | ]   | Cla   | aim      | Γ        |          |   | - 1  | Dat      | e            |              |              | _ |
| Final            | Original | 1/25/06  | 9/2/06 |                 |   |          |  |              |  |              |     | Final | Original |          |          |   |  |          |              |              |              |   |
|                  | 1        | 1        | 1      | _               |   | -        | ├  | -            | ├  | _            | ł   |       | 51       |          |          |   | $\vdash$   | $\vdash$ | <del> </del> | ├            | -            | + |
| $\vdash$         | 2        | Ė        | V      |                 |   | $\vdash$ | ┢  | $\vdash$     |  | ┼─           | 1   |       | 52       |          |          | - | ┢  | $\vdash$ | ╁╌           | +-           | ┢            | t |
|                  | 3        |          | V      | Н               |   | $\vdash$ | $\vdash$   | $\vdash$     | ╁  | $\vdash$     | 1   |       | 53       | H        | -        | _ | 一  | t        | 1            | ╁            | $\vdash$     | t |
|                  | 4        | _        | i      | П               |   | 1        | $\vdash$   | T            | t  | -            | 1   |       | 54       | H        |          | - |  | <b>†</b> | H            | t            | ╁            | t |
|                  | 5        | İ        | i      | П               |   |          |  | T            | <del>                                     </del> | 1-           | 1   |       | 55       |          |          |   |  |          |              | $\vdash$     |              | t |
|                  | 6        |          | i      |                 |   |          |  |              | $\vdash$   | $\vdash$     | ĺ   |       | 56       |          |          |   |  |          |              | 厂            |              | t |
|                  | 7        |          | i      |                 |   | Г        | Γ  |              |  |              | ]   |       | 57       |          |          |   | İ  |          | П            | Π            | Ī            | Ť |
|                  | 8        |          | i      |                 |   |          |  |              |  |              |     |       | 58       |          |          |   |  |          |              |              |              | Γ |
|                  | 9        |          | i      |                 |   | L        | L  |              |  |              |     |       | 59       |          |          |   |  |          |              |              |              | I |
|                  | 10       |          | i      | Ш               |   |          |  | <u> </u>     | <u> </u>   |              |     |       | 60       |          |          |   |  |          |              |              | 乚            | 1 |
|                  | 11       |          | i      |                 |   |          | <u> </u>   | <u> </u>     | <u> </u>   |              |     |       | 61       |          |          |   | <u> </u>   | <u> </u> | _            | <u> </u>     | L            | ļ |
|                  | 12       |          | į.     |                 |   | _        |  | <u> </u>     | <u> </u>   |              | Ì   |       | 62       | $\sqcup$ |          |   | <u> </u>   | L        |              | <u> </u>     | 닏            | 1 |
| $\vdash$         | 13       |          | i      | Ш               |   | ├        | <u> </u>   | _            | ⊢  | -            | ł   |       | 63       | $\vdash$ | _        |   | L  | ├        | <u> </u>     | $\vdash$     | <u> </u>     | ╀ |
| $\vdash$         | 14<br>15 |          | i      | Н               |   | ⊢        |  | ├            | -  | -            | 1   | -     | 64<br>65 | $\dashv$ | _        |   | -  | ⊢        |              | -            |              | ł |
|                  | 16       | $\vdash$ | i      | Н               |   | ⊢        |  | ┢            | ⊢  | -            | 1   |       | 66       | $\dashv$ |          | _ | ├  |          | ⊢            | ⊢            | <u> </u>     | ł |
| <b>-</b>         | 17       | $\vdash$ | l i    | Н               |   | ┢        | ┝╌   | ╁            | ┢  |              | 1   |       | 67       | $\dashv$ |          | - | -  |          | $\vdash$     | ┢            | $\vdash$     | t |
| $\vdash$         | 18       |          | i      | Н               |   | $\vdash$ | -  | ╫            | <del> </del>                                     | 1            |     |       | 68       |          | -        |   | ┢  | ┢        | ╁            | ┢            | $\vdash$     | t |
|                  | 19       | -        | i      | Н               |   | $\vdash$ |  | $\vdash$     |  |              | 1   |       | 69       | $\dashv$ |          |   | $\vdash$   | ┢        | $\vdash$     | 一            | ┢            | ł |
|                  | 20       |          | i      | Н               |   |          | 1  | -            | -  | ┢            |     |       | 70       | $\dashv$ | _        |   | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | t |
| $\vdash$         | 21       |          | i      | H               |   | $\vdash$ | t  |              |  | -            | i   |       | 71       | $\vdash$ |          |   | -  |          | ┢            | $\vdash$     | $\vdash$     | t |
|                  | 22       |          | i      | Н               |   |          |  |              |  |              | 1   |       | 72       |          |          |   |  |          |              | 一            | ┢            | t |
|                  | 23       |          | ī      | П               |   |          | Г  | П            |  | Г            | 1   |       | 73       |          |          |   |  |          | Г            | Г            | Г            | T |
|                  | 24       |          | i      |                 |   |          |  |              |  |              |     |       | 74       |          |          |   |  | Π        |              | Г            |              | T |
|                  | 25       |          | i      |                 |   |          |  |              |  |              |     |       | 75       |          |          |   |  |          |              |              |              | I |
|                  | 26       |          | i      | Ш               |   |          |  | <u> </u>     |  |              |     |       | 76       |          |          |   |  |          |              |              |              |   |
|                  | 27       | _        | Ĺ.     |                 |   | <u> </u> | _  | <u> </u>     | L.   |              |     |       | 77       |          |          |   | <u> </u>   | _        |              | $oxed{oxed}$ | 匚            | L |
|                  | 28       |          | ij     |                 |   | _        | _  |              | L  | _            |     |       | 78       |          | _        |   | ļ  |          | <u> </u>     | igspace      | <u> </u>     | ļ |
| $\vdash$         | 29       |          | 1      |                 |   | _        |  | <u> </u>     | _  | _            |     |       | 79       |          | _        | _ | _  | _        | _            | ╙            | <u> </u>     | ļ |
| $\vdash$         | 30       |          | 7      |                 |   |          | _  | -            | -  | _            |     |       | 80       |          | -        |   | <u> </u>   | ┞        | <u> </u>     | ⊢            | L            | ŀ |
| $\vdash$         | 31<br>32 | -        | -      |                 |   |          |  | ├            | -  |              |     |       | 81<br>82 |          |          |   | -  | ⊢        | ⊢            | $\vdash$     | -            | ╀ |
| $\vdash$         | 33       |          |        | H               |   |          | -  | -            | -  | ┝            |     |       | 83       | -        | -        |   | -  | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | ł |
| $\vdash$         | 34       | H        |        | H               |   | $\vdash$ | $\vdash$   |              | <del>  -</del>                                   | -            |     |       | 84       |          | -        |   |  | -        | -            | $\vdash$     | $\vdash$     | H |
| $\vdash$         | 35       | Н        |        |                 |   | Н        | -  |              | <del>                                     </del> | $\vdash$     |     |       | 85       | $\vdash$ |          |   | $\vdash$   |          | Н            | $\vdash$     | $\vdash$     | t |
|                  | 36       |          |        | П               |   |          | $\vdash$   | Т            | 1  | $\vdash$     |     |       | 86       |          |          |   | Т  |          | T            | Ħ            | Т            | t |
|                  | 37       |          |        |                 |   |          |  |              | 1  |              |     |       | 87       | $\vdash$ |          |   |  | Π        |              | П            |              | t |
|                  | 38       |          |        |                 |   |          |  |              | Γ  | Г            |     |       | 88       |          |          |   |  | Г        | Г            | П            | Г            | T |
|                  | 39       |          |        |                 |   |          |  |              |  |              |     |       | 89       |          |          |   |  |          |              |              |              | Γ |
|                  | 40       |          |        |                 |   |          |  |              |  |              |     |       | 90       |          |          |   |  |          |              |              | L            | Ĺ |
|                  | 41       |          |        | Ш               |   |          |  |              |  | <u> </u>     |     |       | 91       |          |          |   |  |          |              |              | <u> </u>     | L |
| $\sqcup$         | 42       | Ш        |        | $\sqcup$        |   |          | $oxed{oxed}$                                     | <u> </u>     |  | <u> </u>     |     |       | 92       |          |          |   | _  | <u> </u> | <u> </u>     | $oxed{oxed}$ | <u> </u>     | L |
|                  | 43       |          |        | $\sqcup$        |   | ļ        | <u> </u>   | <u> </u>     | <b></b>  | _            |     |       | 93       |          | _        |   | <u> </u>   | _        | <u> </u>     | L_           | ⊢            | ļ |
| $\vdash$         | 44       |          |        | $\vdash \vdash$ | _ | <u> </u> | <u> </u>   | ├-           | ┞┈   | <u> </u>     |     |       | 94       |          | 4        |   | _  | $\vdash$ | <u> </u>     | Ш            | -            | ļ |
|                  | 45<br>46 |          | _      | $\vdash \vdash$ | _ | <u> </u> | ⊢  | <del> </del> | $\vdash$   | -            |     |       | 95       |          | $\dashv$ |   | -  | ⊢        | <del> </del> | $\vdash$     | $\vdash$     | H |
| $\vdash$         | 47       | $\vdash$ |        | $\vdash \vdash$ | - | -        | ├-   | -            | -  | ⊢            |     |       | 96<br>97 | $\dashv$ | $\dashv$ |   | -  | ├        | $\vdash$     | $\vdash$     | ├-           | H |
| <del>     </del> | 48       |          | -      | $\vdash$        | - |          | $\vdash$   | <del> </del> | -  | <del> </del> |     |       | 98       | $\dashv$ | $\dashv$ |   | ⊢  | -        | $\vdash$     | $\vdash$     | $\vdash$     | t |
|                  | 49       |          |        | H               |   | H        | <del>                                     </del> | ┢═           | <del>                                     </del> | $\vdash$     |     |       | 99       | $\dashv$ | $\dashv$ | - | -  | -        | $\vdash$     | H            | <del> </del> | t |
| $\Box$           | 50       | $\vdash$ |        |                 |   | F        |  | T            | $\vdash$   | Ι-           |     |       | 100      | $\dashv$ | $\dashv$ |   | $\vdash$   | $\vdash$ | H            | П            | $\vdash$     | t |
|                  |          |          |        |                 |   |          | _  |              |  |              | ' ' |       |          |          | _        |   | Ь  |          |              |              |              | - |

|          |                      |  |  |              |  |  |  |  | _  |          |
|----------|----------------------|--|--|--------------|--|--|--|--|--|----------|
| Cla      | aim                  |  |  |              |  | Date   | е  |  |  |          |
|          | l .                  |  |  |              | Π  | Г  |  |  | П  | Г        |
| <u></u>  | Original             | i  |  | 1            |  |  |  |  |  | l        |
| Final    | ij                   |  |  | 1            |  |  | ĺ  |  |  |          |
| "        | Õ                    |  |  | 1            |  |  |  |  |  |          |
|          | l                    | -  |  | ┝            | ⊢  | ⊢  | -  | -  | ļ  | ⊢        |
|          | 51<br>52             | ļ  | <u> </u>   | <del> </del> | <u> </u>   | _  | _  | ļ  |  | L        |
|          | 52                   | <u> </u>   | L.   | L            | ᆫ  | _  | L  | L  |  | _        |
| L        | 53                   |  |  |              |  |  |  |  |  | <u> </u> |
|          | 54                   |  | L  |              |  |  |  |  |  |          |
|          | 53<br>54<br>55       | Γ-   |  |              |  |  |  | Π  |  |          |
|          | 56<br>57             | Г  |  |              |  |  |  | Π  |  |          |
|          | 57                   |  | Г  |              |  |  | Г  | Г  |  |          |
|          | 58                   | Г  |  |              |  |  |  | Т  |  |          |
|          | 59                   | T  | $\vdash$   | _            |  | $\vdash$   |  | -  |  | Τ        |
|          | 59<br>60             | <del>                                     </del> | <del>                                     </del> | Η-           |  |  |  | <del> </del>                                     |  |          |
|          | 61                   | <u> </u>   | $\vdash$   | $\vdash$     | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ |
|          | 62                   | <del> </del>                                     | ╁  | $\vdash$     | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>  -</del>                                   | -  | -        |
|          | 62<br>63             | $\vdash$   | -  | $\vdash$     | $\vdash$   | $\vdash$   |  | <del>                                     </del> | $\vdash$   | ⊢        |
|          | 64                   | <del>                                     </del> | ⊢  | ⊢            | $\vdash$   | -  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ |
| -        | 64<br>65             | -  | $\vdash$   | -            | <del>                                     </del> | $\vdash$   |  | $\vdash$   | $\vdash$   | $\vdash$ |
|          | 60                   | $\vdash$   | $\vdash$   | <del> </del> | ├  | -  | -  | <b>—</b>   | ⊢  | $\vdash$ |
|          | 66                   |  | <del> </del>                                     | -            | -  | <u> </u>   | -  | $\vdash$   | $\vdash$   | -        |
| <u> </u> | 67                   |  | <u> </u>   | <u> </u>     | _  | _  | _  | ╙  | <u> </u>   | L        |
| <u></u>  | 68                   | <u> </u>   | _  | _            | L  | <u>L</u> .                                       |  | _  | _  | L        |
|          | 69                   |  | <u> </u>   | _            | _  |  |  |  | _  | L        |
| <u></u>  | 70                   | L  | _  |              | <u> </u>   |  | L_   |  |  | _        |
|          | 71                   |  |  | _            |  |  |  |  |  |          |
|          | 72                   |  |  |              |  |  |  |  |  |          |
|          | 71<br>72<br>73<br>74 |  |  |              |  |  |  |  |  | Γ        |
|          | 74                   |  |  |              |  |  |  |  |  |          |
|          | 75<br>76             |  |  |              |  |  |  |  |  |          |
|          | 76                   |  |  |              |  |  |  | Π  |  |          |
|          | 77                   |  |  | <del> </del> |  |  |  |  | <u> </u>   | Г        |
|          | 78                   | _  |  | <u> </u>     |  |  |  |  | T  |          |
|          | 78<br>79             | _  |  | ┢            | _  | _  | $\vdash$   |  | $\vdash$   | ┢        |
| <b>—</b> | 80                   | <del> </del>                                     |  | -            | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$ |
| <b>-</b> | 80<br>81             | $\vdash$   | -  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$ |
|          | 82                   |  | $\vdash$   | ├-           | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -  | $\vdash$ |
|          | 83                   | -  | ├-   |              | -  | $\vdash$   | $\vdash$   | $\vdash$   | H  | $\vdash$ |
| <u> </u> | 84                   | -  | ⊢  | -            | ├  | ├  | -  | ⊢  | ├-   | $\vdash$ |
|          | 85                   | $\vdash$   | <del> </del>                                     |              | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | -        |
|          | 85                   |  | <u> </u>   |              | $\vdash$   | <u> </u>   | <u> </u>   | ├  | <u> </u>   | $\vdash$ |
| <b></b>  | 86                   | <del> </del>                                     | <u> </u>   | <u> </u>     | ├  | <u> </u>   | <u> </u>   | <u> </u>   | <del> </del>                                     | ├        |
|          | 87                   | <u> </u>   | ļ  | <u> </u>     | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | $\vdash$ |
|          | 88                   | <u> </u>   | <u> </u>   | <u> </u>     | $\vdash$   | <u> </u>   | L_   |  | <u> </u>   | <u> </u> |
|          | 89                   | <u> </u>   | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   |  | L_   | L_   | _        |
|          | 90                   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |  | L            | <u> </u>   | <u> </u>   | <u> </u>   | <u>_</u>   | <u> </u>   | _        |
|          | 91                   |  | L  | L_           |  | <u></u>  |  | L  |  | L        |
|          | 92                   |  |  |              |  |  |  | L  | L  | L        |
|          | 93                   |  |  |              |  |  |  |  |  |          |
|          | 94                   |  |  |              |  |  |  | Ĺ  |  | L        |
|          | 95                   |  |  |              |  |  |  |  |  |          |
|          | 96                   |  |  |              | Г  |  |  | Г  |  |          |
|          | 97                   |  | $\Box$   |              |  |  |  |  | Г  | Г        |
|          | 98                   |  |  |              | -  |  |  | Г  | $\vdash$   | Г        |
|          | 99                   | $\vdash$   | $\vdash$   | $\vdash$     |  |  | ┢═   | $\vdash$   | <del>                                     </del> | Н        |
| $\vdash$ | 100                  | $\vdash$   | $\vdash$   | $\vdash$     | -  | H  | $\vdash$   | <del>                                     </del> | <del>  -</del>                                   | $\vdash$ |

| Claim      |  | Date   |   |          |        |          |          |   |   |  |  |
|------------|--|--|---|----------|--------|----------|----------|---|---|--|--|
|            |  | Т  |   | I -      |        |          | Г        | Γ |   |  |  |
| <u>a</u> . | <u> </u>   |  |   |          |        |          | l        |   |   |  |  |
| Final      | Original   |  |   |          |        |          |          |   |   |  |  |
| 1 1        |  |  |   | l        |        |          |          |   |   |  |  |
| 11         | 01   | +  |   |          |        |          | $\vdash$ |   |   |  |  |
| 1          | 02   |  |   | _        |        |          | T        |   |   |  |  |
| 1          | 01<br>02<br>03   | $\top$   |   |          |        |          | Г        |   |   |  |  |
| 1 11       | ∩4. I  | 1  |   |          |        |          | $\vdash$ |   |   |  |  |
| 1          | 05<br>06<br>07   | $\top$   |   |          |        |          |          |   | Ħ |  |  |
| 1          | 06   | $\top$   |   |          |        |          |          |   |   |  |  |
| 11         | 07   | T  |   |          | Г      |          |          |   |   |  |  |
| 11         | 38   | $\top$   |   |          |        |          |          |   |   |  |  |
| 10         | 08<br>09   | 1  |   |          |        | _        |          |   |   |  |  |
| 1          | 10   | 1  |   |          |        |          |          |   |   |  |  |
| 1          | 11   | T  | П |          |        | П        |          |   |   |  |  |
| 1          | 12   | 1  | Г |          | _      | Π        | Γ        | Г | П |  |  |
| 1          | 13   | Ī  | İ |          |        |          | T        | Г | П |  |  |
| 1          | 11<br>12<br>13<br>14   | 1  |   |          |        |          |          | Г | П |  |  |
| 1          | 15   | 1  | Г | <u> </u> |        | Г        | Π        | Г | П |  |  |
| 1          | 16   | Τ  | Г | Γ        |        | Г        | Π        |   | П |  |  |
| 1          | 16<br>17<br>18   | 1  |   | ı        |        | 1        |          |   | П |  |  |
| 1          | 18   |  |   |          |        | $\vdash$ |          |   | П |  |  |
| 1          | 19   |  |   |          |        | П        |          |   |   |  |  |
| 1:         | 20   |  |   |          |        |          |          | _ | П |  |  |
| 1:         | 21   | <del>                                     </del> |   |          |        |          |          |   | П |  |  |
| 1:         | 22   | 1  |   |          |        |          |          | Г |   |  |  |
| 1:         | 23   | 1  |   |          |        |          |          |   | П |  |  |
| 1:         | 20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30 | $\top$   |   |          |        |          |          |   | П |  |  |
| 1:         | 25   | 1  |   |          |        |          |          |   | П |  |  |
| 12         | 26   | $\top$   |   |          |        |          |          |   |   |  |  |
| 1:         | 27   | 1  |   |          |        |          |          |   |   |  |  |
| 1:         | 28   | Т  |   |          |        |          |          |   |   |  |  |
| 1:         | 29   |  |   |          |        |          |          |   | П |  |  |
| 1:         | 30   |  |   |          |        |          |          |   |   |  |  |
| 1:         | 31   | T  |   |          |        |          |          |   |   |  |  |
| 1:         | 32   |  |   |          |        |          |          |   |   |  |  |
| 1:         | 33   |  |   |          |        |          |          |   |   |  |  |
| 1;         | 32<br>33<br>34<br>35<br>36                                     |  |   |          |        |          |          |   |   |  |  |
| 1:         | 35   |  |   |          | L      |          |          |   |   |  |  |
| 1:         | 36   |  |   |          |        |          |          |   |   |  |  |
| 1:         | 37<br>38<br>39   |  |   | L        |        |          |          |   |   |  |  |
| 1:         | 38   |  |   |          |        |          | L        |   |   |  |  |
| 1:         | 39   |  |   |          |        |          |          |   |   |  |  |
| 14         | 40 I   |  |   |          |        |          |          |   |   |  |  |
|            | 11   |  |   |          |        | Ĺ        |          |   |   |  |  |
|            | 12   |  |   |          | $\Box$ | L        |          |   |   |  |  |
|            | 13   |  |   |          |        |          |          |   |   |  |  |
|            | 14   |  |   |          |        | L        |          |   |   |  |  |
|            | 15   |  |   |          |        |          |          |   |   |  |  |
|            | 16   |  |   | Ш        |        |          |          |   |   |  |  |
|            | 17   | $\perp$  |   |          |        |          |          |   |   |  |  |
| 14         | 18   |  | Ĺ |          |        |          |          |   |   |  |  |
| 14         | 19   |  |   |          |        |          |          |   |   |  |  |
| 1:         | 50   |  |   |          |        |          |          |   |   |  |  |